



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/049,491	06/25/2002	Simon Gooch	GILP009	4082
22434	7590	02/27/2006		EXAMINER
		BEYER WEAVER & THOMAS LLP		CHANG, RICHARD
		P.O. BOX 70250		ART UNIT
		OAKLAND, CA 94612-0250		PAPER NUMBER
				2663

DATE MAILED: 02/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PN

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/049,491	GOOCH, SIMON
	Examiner	Art Unit
	Richard Chang	2663

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 25 June 2002.
- 2a) This action is **FINAL**.                                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-18 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) 1-18 is/are allowed.
- 6) Claim(s) \_\_\_\_\_ is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 25 June 2002 is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_.

**DETAILED ACTION*****Priority***

1. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in United Kingdom on 06/13/2000. It is noted, however, that applicant has not filed a certified copies of the 0014431 application as required by 35 U.S.C. 119(b).

Also acknowledgment is made of applicant's claim for foreign priority based on an application filed in United Kingdom on 11/01/2000. It is noted, however, that applicant has not filed a certified copies of the 0026740 application as required by 35 U.S.C. 119(b).

***Specification***

2. This application does not contain an abstract of the disclosure as required by 37 CFR 1.72(b). An abstract on a separate sheet is required.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the

United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-18 are rejected under 35 U.S.C. 102(e) as being anticipated by US patent No. 6,661,784 ("Nykanen").

Regarding claims 1, 11 and 13, Nykanen teaches a distributed processing system a network server or a network node for use (piconet service) in a wireless communication system (piconet based on Bluetooth technology), the distributed processing system comprising of

at least one transceiver for providing a wireless connection to other wireless communications devices (300a WAP client) (See Fig. 3, Col. 8, lines 36-54),

a first portion (PT 306a) of a processing stack coupled to the transceiver (300a WAP client),

a second portion (PA 305a) of the processing stack positioned at a location remote to the transceiver (300b WAP server), and

a communication link (5 piconet) for interconnecting the first and second portions of the processing stack (See Fig. 3, Col. 9, lines 16-25).

Regarding claim 2 and 4-5, Nykanen further teaches that the first and second portions of the processing stack are coupled to the communications link via first and second TCP/IP stacks respectively (compatible respectively), the communications link operating to transfer data in a TCP/IP format (See Col. 9, lines 9-15).

Regarding claims 3 and 16, Nykanen further teaches that the system is adapted to operate a number of transceivers, each transceiver being coupled to

a respective first processing stack portion (5, piconet supports multi clients) (See Col. 9, lines 9-15).

Regarding claim 6, Nykanen further teaches that the communications link is an Ethernet connection (local area network) (See Col. 6, lines 56-60).

Regarding claims 7 and 18, Nykanen further teaches that a processor coupled to the second Bluetooth stack portion, the processor being adapted to control the transfer of data via the Bluetooth piconet by server (300b) and client (300a) (client 300a to the server 300b) (See Fig. 3, Col. 8, lines 36-53).

Regarding claims 8 and 17, Nykanen further teaches that a power supply being provided at the remote location (server 300b), the communications link being adapted to transfer power from the power supply to the at least one piconet and the first portion of the processing stack (client 300a) (See Fig. 4. Col. 12, lines 11-19).

Regarding claims 9, 12 and 14-15, Nykanen further teaches that the wireless communications system is a Bluetooth system (piconet technology), the wireless connections being Bluetooth connections and the first and second portions of the processing stack comprising first and second portions of a Bluetooth stack and the first and second portions of the processing stack comprising first and second portions of a Bluetooth stack (See Fig. 3, Col. 9, lines 16-25).

Regarding claim 10, Nykanen further teaches that the first and second portions of the Bluetooth stack are split at the HCI layer (301a) such that control

commands to be transferred via the communication link are generated in the HCI format (See Fig. 3, Col. 10, lines 27-50).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chang whose telephone number is (571) 272-3129. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on (571) 272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
rkc

Richard Chang  
Patent Examiner  
Art Unit 2663

  
RICKY Q. NGO  
SUPERVISORY PATENT EXAMINER